

**Table 1****Pharmacokinetic Changes Effect on Antimicrobials<sup>2-10</sup>**

<u>Medication</u>	<u>Time after burn injury</u>	<u>Volume of Distribution</u>	<u>Clearance</u>	<u>Renal Clearance</u>	<u>Non-renal Clearance</u>	<u>Half life</u>	<u>Dose Adjustment</u>
<b>Aztreonam</b>	5-9 days	↑	no change	no change			Yes
<b>Ceftazidime</b>	2-21 days	↑	↑	no change	↑	↑	Yes
<b>Cefepime</b>	2-14 days	↑	↑				Adjust based on CrCl
<b>Imipenem</b>	5-25 days	no change	no change			no change	Adjust based on CrCl
<b>Piperacillin</b>	6-21 days	↑	↑			↑	Unknown
<b>Ticarcillin</b>	not reported	↑	↑	↑	↑	no change	Yes
<b>Piperacillin-Tazobactam</b>	7-21 days	↑		no change			Use high dose (4.5g Q 6-8 hrs.)
<b>Ticarcillin-Sulbactam</b>	not reported	↑					Use high dose (5.2g Q 8-12 hrs.)
<b>Amikacin</b>	6-38 days	no change				-	Yes
<b>Gentamicin</b>	not reported	no change	↑			-	Yes
<b>Tobramycin</b>	4-35 days	no change	↑			↓	Yes
<b>Vancomycin</b>	12-199 days	↑	↑	↑	no change	↓	Yes
<b>Daptomycin</b>	not reported		↑				Yes (10-12 mg/kg/d)
<b>Ciprofloxacin</b>	3-5 days	↑	↑	↑	no change	no change	No
<b>Enoxacin</b>	not reported	↓					Unknown
<b>Levofloxacin</b>	not reported	↓*	↑				High dose (750 mg Qday)
<b>Fluconazole</b>	3-4 days	↓*	↑			↓*	Adjust based on CrCl

\* Not statistically significant